Re-evaluation Note REV2018-07

Re-evaluation Project Plan for Spinosad

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Background

In Canada, spinosad is under re-evaluation by Health Canada's Pest Management Regulatory Agency (PMRA). The PMRA re-evaluates registered pesticides to determine whether the use of these products continues to be acceptable in terms of value, human health and the environment according to current standards.

Spinosad is a broad spectrum systemic insecticide registered for use on agricultural crops including greenhouse vegetables and ornamentals, a large number of agricultural filed crops (such as potatoes, grapes, pome fruits, stone fruits, berries, vegetables), outdoor ornamentals, and turf. It is also registered in residential areas on home gardens (such as fruits, vegetables and ornamentals), and control of ants in residential areas.

Under the authority of section 16 of the *Pest Control Products Act*, the registrant of spinosad was notified of the initiation of the re-evaluation of spinosad. Following this, the registrant of the technical grade active ingredient spinosad in Canada indicated support of all uses included on the labels of end-use products in Canada.

The re-evaluation project plan below outlines the timeline, the anticipated areas of focus for the risk assessments, and the data requirements for the re-evaluation of spinosad.

Re-evaluation Project Plan

Anticipated Re-evaluation Timeline

The re-evaluation of spinosad is defined as a Category 1 as described in Regulatory Directive DIR2016-04, *Management of Pesticides Re-evaluation Policy*. For this re-evaluation, 980 calendar days are required between re-evaluation initiation and publication of the proposed decision. Currently, a proposed re-evaluation decision for spinosad is anticipated to be published for consultation by January 2020. The re-evaluation timeline may be updated if, during the risk assessment, the PMRA identifies additional areas of focus that should be considered.

Human Health Risk Assessment

New assessments will be conducted for toxicology, dietary exposure, occupational exposure and residential exposure. Due to the common mechanism of toxicity for spinosad and the active ingredient spinetoram, a cumulative assessment will be undertaken.

Environmental Risk Assessment

New assessments will be conducted for environmental fate, water modelling and environmental exposure.

Value

The value of spinosad will be considered. The viability of alternatives will be examined for certain uses if risks of concern requiring mitigation are identified.

Data Requirements

The PMRA identified the need for the technical registrant to provide data for spinosad related to the environment. Relevant data/studies were requested and received by the technical registrant. A summary of the data call-in is found in the PMRA's Public Registry (https://www.canada.ca/en/health-canada/services/consumer-product-safety/pesticides-pest-management/public/protecting-your-health-environment/public-registry.html). For a list of data categories that were required, see Appendix I. In addition, information regarding the registered use pattern has been requested and received by the registrant, to inform the risk assessments.

Additional Information

The PMRA documents can be found in the Pesticides and Pest Management section of Canada.ca (https://www.canada.ca/en/health-canada/services/consumer-product-safety/pesticides-pest-management.html). The PMRA documents are also available through the Pest Management Information Service:

Phone:	1-800-267-6315	within Canada, or
	1-613-736-3799	outside Canada (long distance charges apply)
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Appendix I Data Required Under Subsection 19(1) of the *Pest Control Products Act* for the Re-evaluation of Spinosad

Environmental Exposure Data

PMRA DACO Number	Reference
8.2.3.5.4	Aerobic Water/Sediment 20°–30°C
9.2.4.4	Honey Bee Adult Chronic Toxicity
9.2.4.3	Hive Study (including Brood)
9.3.3	*Daphnia* sp. Chronic (Life-Cycle)